

Raytek Infrared Thermometer

Raynger 3i

- Spectral Responses and Temperature Ranges to Meet All Applications
- Available with High Resolution Optics
- Multiple Choices of Sighting Methods
- Calculates MAX, MIN, DIF and AVG Temperatures
- Analog and RS-232 Outputs Standard
- 100 Pts of Data Logging
- Optional DataTemp Software Available Makes Storing and Exporting Readings a Snap!
- Tamb Feature Compensates for Reflection of Elevated Background Temperatures



Innovative Sighting Options

Because no single sighting system works best for every application, the Raynger 3i offers you a choice of sighting options: single laser, dual laser, crossed laser, scope sighting, or scope with laser sighting.

Single Laser: The single laser is designed for accuracy over distance. Single laser models pinpoint the center of your target area with a bright laser spot.

Dual Laser: The dual laser indicates the diameter of the target area measured with two glowing spots.

Crossed Laser: For precise measurement of smaller targets, choose a 3i with crossed laser sighting. The instrument's minimum measurement spot is indicated at the point the two laser beams meet.

Scope and Scope with Laser: If you measure temperature at a distance in bright daylight, a 3i with scope sighting is your best choice. At the focus point, 3i scopes are parallax-free and provide circular reticles for pinpoint accuracy. To enhance the sighting capabilities of the scope, try a combined scope with laser model.

"A long list of standard features and a variety of innovative sighting options makes the Raynger 3i the best value in a hand-held noncontact infrared thermometer."

Standard Features

In addition to displaying real-time temperature, the Raynger 3i calculates Maximum, Minimum, Difference and Average temperature values, while the Recall feature allows you to recall the last temperature reading. The 3i also compensates for energy reflected by the background around your target so it doesn't affect your reading. The backlit display makes it easy to read the display under poor lighting conditions. A locking trigger allows unattended operation, while adjustable high- and low-alarms signal over- and under-range temperature conditions. Each 3i comes with a padded nylon carrying case, shoulder strap and tripod mount. The 3i can also store up to 100 data points in an on-board datalogger, eliminating the need for clipboards, recording devices, or other peripheral hardware. Data outputs from the 3i provide a direct interface to chart recorders and printers. All models are equipped with an output jack capable of providing analog and digital signals.

Specifications and Ordering Information

Mfg#	Sighting								Temperature Range	Spectral Response	Description	Price
	Optical Resolution (D:S)	*Type			*Style							
MPRAYR3iLTDL2	75:1	X						X	-30° to 1200°C (-20° to 2220°F)	8-14 micron	General Purpose	
MPRAYR3iLTDL3	75:1		X					X		8-14 micron		
MPRAYR3iLTC2	75:1	X								8-14 micron		
MPRAYR3iLTC3	75:1		X					X		8-14 micron		
MPRAYR3iLTSC	75:1			X						8-14 micron		
MPRAYR3iLRL2	120:1	X					X			8-14 micron	General Purpose Long Range	
MPRAYR3iLRL3	120:1		X				X			8-14 micron		
MPRAYR3iLRSC	120:1			X						8-14 micron		
MPRAYR3iLRSC2	105:1	X		X	X					8-14 micron		
MPRAYR3i1ML2	180:1	X					X	600° to 3000°C (1100° to 5400°F)		1 micron	High Temperature Metals Applications	
MPRAYR3i1ML3	180:1		X				X		1 micron			
MPRAYR3i1MSC	180:1			X					1 micron			
MPRAYR3i2ML2	90:1	X					X		1.6 micron			
MPRAYR3i2ML3	90:1		X				X		1.6 micron			
MPRAYR3i2MSC	90:1			X				1.6 micron				
MPRAYR3iG5SC	25:1			X				150° to 1800°C (300° to 3275°F)	5 micron	Glass & Secondary Metals Processing		
MPRAYR3iP7DL2	25:1	X					X	10° to 800°C (50° to 1450°F)	7.9 micron	Thin Film Plastics		
MPRAYR3iP7DL3	25:1		X				X	10° to 800°C (50° to 1450°F)	7.9 micron	Thin Film Plastics		

* Type and Style Codes:
 L2= IEC Class 2; FDA Class II
 L3= FDA Class IIIA
 SC= Scope for distance in bright sunlight
 S= Single Laser
 D= Dual Laser
 C= Crossed Laser

Raytek Infrared Thermometers

- Precise Laser Sighting
- Non-Contact Only and Non-Contact/Contact Models
- Measure from Any Distance

Get the newest laser technology and unmatched high-end performance with these IR thermometers. Check for hot spots in electrical panels, breakers, gearboxes; monitor air temperatures at supply and return registers; measure temps of engine cylinders, vehicle axles, and bearings, and more. Three models let you pick the best fit for your application.

Point, Aim, and Shoot

The 23600T measures to 1600°F from any distance, with a target distance-to-size ratio of 60:1. Its 16-point sighting circle defines your target precisely. The display shows real-time readings and has a bar graph that plots the last 10 points, so you can spot fluctuations and short-term trends. If you need continuous measurements, just lock the trigger. Other features include adjustable emissivity, audible/visual high alarm, max/min readings.

Point, Aim, Shoot, and More

The 23602T allows for datalogging and output capability and/or contact measurement. The unit includes the features of the 23600T plus audible/visual low alarm, differential and average calculations, and on-board emissivity table. The 23602T also lets you scroll through and select from a table of 30 preset material emissivity listings for the best precision. The 23602T packages together everything you need to fully utilize the extra features: Windows™-compatible data-management software, type K thermocouple probe, RS-232 cable, and plug-in power supply.

Data Management

With the 23602T's software, you can use your PC to record and store data points continuously or manually select single points; set time intervals, temperature scales, and limits; graph both contact and infrared temperatures; and more. Once you've gathered the data, you can organize, display, and print it. Create historical records, in-house reports, or compliance documentation—quickly and easily.

Outdoor Viewing

To view the 16-point sighting circle in bright sunlight, the 23602T-2 filter glasses are required.

Each Unit Includes: Hard carrying case and operating instructions.

23602T Also Includes: Windows™ software (23603T-4), RS-232 cable (23603T-5), type K T/C probe (23603T-7), and AC adapter, 110 VAC (23603T-2).

Optional Accessories: 23603T-1 pouch and carrying kit, 23603T-8 printer and hard case with cable, 23603T-10 printer paper: five rolls, and 23602T-2 filter glasses.



16-Point Laser



Specifications

Temperature Range:	-30 to +900°C (-25 to +1600°F)
Accuracy:*	±1% of rdg or ±1°C (±2°F), whichever is greater
Repeatability:*	±0.5% of rdg or ±1°C (±2°F), whichever is greater
Response Time:	250 mSec to 95%
Spectral Response:	8 to 14 μm, thermopile detector
Display Resolution:	0.1° up to 900°C (0.2° to 999.8°F)
DIS (Distance to Spot Ratio):	60:1
Emissivity:	Adjustable 0.1 to 1.0
Operating Environment:	0 to 50°C (32 to 120°F); 10 to 95% RH, noncondensing @ up to 30°C (86°F)
Tripod Mount:	1/4"-20 UNC
Power:	Two AA batteries; DC power for 23601T/23602T
Size:	7.9 x 6.7 x 2" HWD (200 x 170 x 50 mm)
Weight:	1.38 lbs (626g)
* Only @ 23°C (73°F).	

Ordering Information

Order #	Mfg #	Description	Price
MP23600T	MX2	IR Thermometer, Standard Model (MX2)	
MP23602T	MX4+	IR Thermometer, with Data-Management Software, T/C Probe, RS-232 Cable, and Power Supply	
MP23603T-1	MXAPK	Pouch and Carrying Kit	
MP23603T-8	MXPRV1	Printer and Hard Case w/ Cable	
MP23603T-10	MXPA	Printer Paper: 5 Rolls	
MP23602T-2	R31ACFG	Filter Glasses	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL



These items are included when you order the 23602T

Raytek Infrared Thermometers

Raynger ST™ PRO/PROPLUS Series

- Measure Hot, Hard-to-Reach Materials
- Ideal for Industrial, Electrical, HVAC, Food, Pharmaceutical, Plastics, and Much More
- Non-Contact Temperature Measurement
- Laser-Sighted Models
- Single Laser ST20T; Innovative 8 Point Circular Laser all Other Models
- Fixed or Adjustable Emissivity
- Can Use Optional RTD Probes (ST60/ST80)
- Intrinsically Safe (ST80-IS) Version

The Raynger ST™ Series of hand-held, non-contact IR thermometers measure temperature from up close, or from a distance. Simply aim, pull the trigger, and read temperature on the large backlit LCD display. There aren't many temperature measurement applications where the ST™ Series IR thermometers can't be used. See the capabilities table for all of the features of the new ST family!

Each Unit Includes: Hard case including belt clip, 9V battery, and instructions.



▲ ST60T

Temperature Test Instruments



**8-point circular
Laser sighted
models outline
target area!**

8-Point Laser

Specifications and Ordering Information

Mfg#	ST20	ST30	ST60	ST80	ST80-IS
Range	-32 to 400°C (-25 to 750°F)	-32 to 545°C (-25 to 950°F)	-32 to 600°C (-25 to 1100°F)	-32 to 760°C (-25 to 1400°F)	
Accuracy:	1% of reading or ±1°C, whichever is greater @ 23°C ambient				
Repeatability:	1% of reading or ±1°C, whichever is greater				
Response Time:	500 mS for 95% response				
Ambient Operating Range:	0 to 50°C (32 to 120°F)				
Emissivity:	Pre-set to 0.95		Adjustable 0.3 to 1.0		
Laser (Class II)*:	X		X-circular		
Max/Min/Ave/Diff:	MAX Only		X	X	X
Recall Last Reading:			X	X	X
Display Hold:	X	X	X	X	X
Hi/Lo Audible Visual Alarms:	no	no	X	X	X
Backlit LCD Display:	X	X	X	X	X
Temperature Display:	0° Degree to 199°; °C or °F selectable				
D:S (Distance to Spot Ratio):	12:1		30:1	50:1	
Target Spot Size:	5" at 5'		2.5" at 5'	1.7" at 6'	
Data Logging	—	—	X	X	X
Intrinsically Safe	—	—	—	—	X
External Probe RTD Jack	—	—	X	X	X
Power:	9V alkaline or NiCd battery				
Dimensions/Weight:	10.25 x 8 x 3" (26 x 20 x 7.5 cm)/1.7 lbs. (.8kg)				
Order #	MPST20T	MPST30T	MPST60T	MPST80T	MPST80-IS
Price:					

*Laser is offset 1.2 cm above center of the target spot.

Accessories

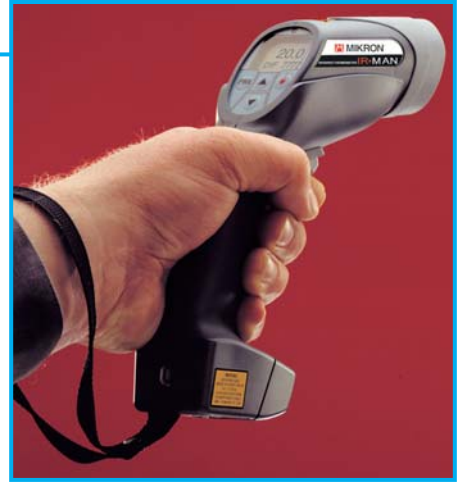
Order #	Mfg #	Description	Price
MPSTACPR	STACPR	RTD Contact Probe -25 to 260°C for ST60/ST80	
MPSTACSC	STACSC	Nylon, padded soft case	
MPSTACHC	STACHC	Spare Hard Carrying Case	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL

Mikron Portable Infrared Thermometer

- Non-Contact Temperature Measurement
- Precision Laser Sighting
- Backlit Display
- Ideal for HVAC Heating and Cooling or PC Board Component Inspection Applications
- Three Models Available:
 - The Standard M120
 - The M120CF with a Built-in Close Focus Lens
 - The Economical M120E Without Data Collection Capability

M120 ▶



Simple To Use

Just aim and pull the trigger. Laser-aiming can pinpoint measured spot even in brightly lit areas.

Prevent Equipment Failures

The Mikron M120 is an invaluable detection tool for fault finding investigation purposes in your preventive maintenance program. It can help prevent a variety of temperature related equipment or process malfunctions before serious damage can occur, such as bearing failures, electrical power distribution and switching faults, blocked steam traps, deteriorating insulation, depleted refrigeration media, over or under heating of moving process materials, etc..

Each Unit Includes: 9V alkaline battery, carrying case, and instructions

Specifications

	M120E	M120	M120CF
Temperature Range:	-25° to 1652°F (-32° to 900°C)		
Accuracy:	1% of reading or ±1°C at 23°C, ±2°C for readings below -10°C		
Repeatability:	0.5% of reading or 1°C		
Resolution:	0.1° to 999°F or 900°C, 1° thereafter		
Field of View Ratio:	50:1		
Focused Distance:	1000mm for 20mm target		100mm for 2.2mm target
Spectral Response:	8-14 μm		
Resonse Time:	150 mS for 90% response		
Emissivity:	Adjustable from 0.20 to 1.00 in 1% steps		
Digital Output	N/A		RS-232 Download
Analog Output	N/A		1 mV per °F or °C

Ordering Information

Order #	Mfg #	Description	Price
MPM120E	M120E	Economical IR Thermometer	
MPM120	M120	Standard IR Thermometer	
MPM120CF	M120CF	IR Thermometer, close focus lens	
MP18600-CHAUS		AC Charger for M120 Series	
MP18600-BAT		NiMH Rechargeable Battery for M120 Series	
MP18600-SOF		M120 Software for data collection	
MP18600-ACC		Analog output cable	
MP18600-HOL		Holster for M120 Series	

Mikron Pocket Size Infrared Thermometer

With Dual-Beam Laser Targeting

- Non-Contact Temperature Measurement
- Dual Laser Beam Targeting
- Unaffected By Ambient Temperature Variations
- Adjustable Emissivity
- Audible and Visual Alarms for Upper and Lower Temperature Values
- High Accuracy/Quick Response

M7 ▶



Small enough to fit in your shirt pocket and weighing 5 ounces, the Mikron M7 Infrared Thermometer provides convenient, quick, and accurate temperature measurement for a broad range of applications and over a temperature span of -50° to 500°C (-58° to 932°F).

Dual Laser Beam Targeting

Two visible laser beams help you to clearly and quickly define the target to be measured – from a distance.

Independent of Ambient Temperature Variations

The M7 is unaffected by radical ambient temperature changes, which can seriously affect the performance of infrared thermometers. Such as temperature changes between storage and operating locations.

High Accuracy/Quick Response

An accuracy of ±1% of temperature reading and response time of 1.5 seconds.

Specifications

Temperature Range:	-50° to 500°C (-58° to 932°F)
Accuracy:	201° to 500°C: ±1% of reading; 0° to 200°C: ±2°C -50° to -1°C: ±(10% of reading + 2)°C
Repeatability:	±1°C (±2°F)
Resolution:	1°C or 1°F
Field of View Ratio:	15:1
Spectral Response:	8-14 μm
Resonse Time:	Less than 1.5 sec. for 95% response
Emissivity:	Adjustable from 0.10 to 1.00 in 0.01 increments
Sighting:	2-beam laser (Class II)

Ordering Information

Order #	Description	Price
MPM7	Pocket Size Infrared Thermometer	

Each Unit Includes: Four AAA alkaline batteries, soft protective case, and instructions.

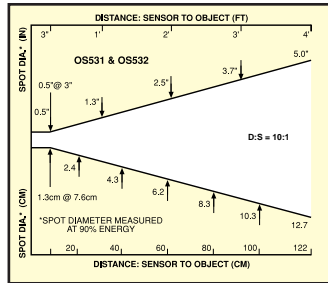
Newport Hand-Held Infrared Thermometer Series

Built-In laser sighting and thermocouple input (OS532/N)

Temperature Test Instruments

G

- Rugged, High Performance Design
- Models Available with Temperature Ranges to 871°C (1600°F)
- Emissivity Adjustable from 0.1 to 1.00 in 0.01 Steps
- Thermocouple Input Available
- Backlit LCD Display
- Dual Digital Display Indicates Current with Min, Max, Average, or Difference Temperatures
- Built-In Laser Sighting with 12-Point Circle
- °C/°F Selectable
- 1 mV/Degree Analog Output Standard
- Audible and Visible Alarms
- Integral Tripod Mount
- RS-232 Interface Available
- Temperature Data Storage Available
- Electronic Trigger Lock
- Last Temperature Recall



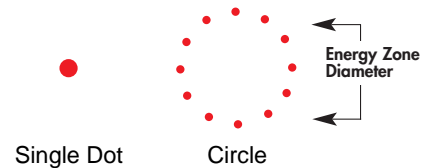
88001K/N surface probe (sold separately)

Specifications

Repeatability:	±(1% rdg + 1 digit)
Resolution:	1°C or 1°F
Response Time:	250 msec
Spectral Response:	8 to 14µm
Emissivity:	0.10 to 1.00 in 0.01 increments
Thermocouple Input:	Type K, 0° to 1600°F; (-18°C to 871°C)
Operating Ambient:	0 to 50°C (32 to 122°F)
Power:	4 AA batteries or AC adapter
Battery Life:	60 hr, alkaline; 10 days, lithium
Analog Output:	1 mV/°C or 1 mV/°F
Tripod Mount:	1/4"-20 UNC
Display:	Backlit LCD; displays current and min or max, differential, average temperatures simultaneously
Alarm:	High alarm standard, with audible and visual indication

Laser Sight Specifications	
Wavelength (color):	670 nm (red)
Operating Distance:	Laser Dot: 2-75 ft. Laser Circle: 2-25 ft.
FDA Classification:	Class IIIa
Safety Classification:	Class 3A
Beam Diameter:	5 mm
Operating Temperature:	0 to 50°C

Laser Sight Model Configurations



Accessories

Order #	Mfg #	Description	Price
MPOS520-ADAPTER-110V/N	OS520-ADAPTER-110V/N	110 AC Adapter	
MPOS520-ADAPTER-220V/N	OS520-ADAPTER-220V/N	220 DC Adapter	
MPOS520-RCC/N	OS520-RCC/N	Hard Carrying Case	
MP88013K/N	88013K/N	Surface Probe, Up to 815°C (1500°F)	
MP88001K/N	88001K/N	Surface Probe, Up to 482°C (900°F)	

PATENT NOTICE
 This product may be protected by one or more of the following patents:
 U.S. PAT. 0357,194, 5,366,392, 5,524,984, 5,727,880, 5,465,838/Canada
 7,5811 OMEGA ENGINEERING, INC./Czech Republic
 25372/France
 0378411 to 0378446/Germany M 94 06 478.4/Italy
 RM940000913/Japan
 986,376/Netherlands 2500900/Spain med. ut. 133292/Slovak Republic
 24565/U.K. Registered 2041153
 Other U.S. and International Patents Pending.

NEWPORT ELECTRONIC, INC. SANTA ANA, CA 92704-4426

LASER SIGHT MODULE **DANGER**

LASER RADIATION - AVOID DIRECT EYE EXPOSURE
 MAX. OUTPUT < 5mW, WAVE LENGTH 670 nm
 CLASS IIIa LASER PRODUCT
 COMPLIES WITH 21 CFR CHAPTER 1, SUBCHAPTER J.

AVOID EXPOSURE TO LASER BEAM FROM THIS APERTURE

Ordering Information

Mfg #	OS531/N	OS532/N
Accuracy:	±2% rdg	±1% rdg
Range:	-18 to 400°C 0 to 752°F	-18 to 540°C 0 to 1004°F
Emissivity:	adjustable	adjustable
Backlit Dual Display:	std	std
Distance to Spot Size Ratio:	10:1	10:1
Differential Temperature:	std	std
Min/Max Temperature:	std	std
Average Temperature:	std	std
High Alarm:	std	std
Audible Buzzer and Indicator:	std	std
Analog Output:	1 mV/deg	1 mV/deg
Thermocouple Input:	—	std
Laser Sight (Built-In):	std	std
Trigger Lock:	std	std
Last Temperature Recall:	std	std
Order #	MPOS531/N	MPOS532/N
Price:		

NOTE: To order an infrared thermometer with laser dot, add suffix "-LD".

Raytek MiniTemp IR Thermometers

Infrared temperature measurement at an economical price

- Conventional and Laser-Sighted Models
- Range -18 to +260°C (0 to 500°F)
- Fixed Emissivity (0.95)
- Large Backlit Display with °C/°F Readout
- Pocket-Sized, Easy to Use
- Powered by Single 9V Battery

Priced at less than most other IR thermometers, the 24442E units are a fast, safe way to measure surface temperatures up to 500°F—just aim and shoot. Use for checking electrical panels, transformers, and connections; troubleshooting automotive engines and cooling systems; HVAC applications, including monitoring supply and return registers and checking furnaces; food-safety temperature testing; and more. Two models offered, one without laser sighting, one with. Both have display hold, backlit LCD, selectable °C/°F display.

Each Unit Includes: 9V battery and instructions.

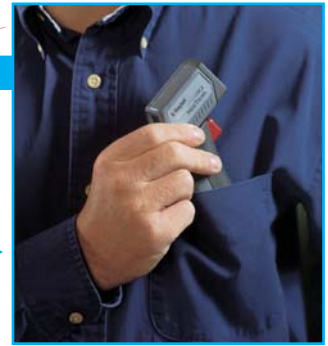
Ordering Information

Order #	Mfg #	Description	Price
MP24442E-2	MT2	MiniTemp IR Temperature Meter	
MP24442E-4	MT4U	MiniTemp IR Temperature Meter with Laser Sighting	
MP24442E-CS	MTAPK	Soft Carrying Case with Wrist Strap	



MT2 is small enough to fit in your shirt pocket

MT2



Specifications

Range:	-18 to +260°C (0 to 500°F)
Emissivity:	Pre-set to 0.95
Accuracy (@23°C):	±2% of rdg or ±2°C from -1 to +260°C, whichever is greater; ±3°C ±2% of rdg or ±2°C below -1°C, whichever is greater
Response Time:	500 msec, 95% response
Distance-to-Spot Ratio:	6:1, at nominal 90% energy
Operating Temp. Range:	0 to 50°C (32 to 120°F)
Power Supply:	One 9V alkaline or NiCd battery (alkaline supplied)
Size/Weight:	6 x 4 x 1.5"/0.5 lb (227g)

Land Infrared Thermometer

- Circular Laser Targeting or Through-the-Lens Viewing
- Audible/Visual Alarm and Out-of-Range Warning

These IR thermometers provide precise, non-contact temperature measurement for predictive maintenance and process control applications. Ideal for seeking out hot spots on electrical panels, bearings, rotating machinery, lighting ballasts, and process equipment.

- The Mini Laser (23669T) features laser aiming which projects a red, circular outline and center spot to accurately pinpoint the target zone.
- The Mini Laser+ (23670T) includes the same features as the Mini Laser with the addition of RS-232-C digital output for transferring readings to the optional 23672T-1 datalogger.
- The Mini View+ (23671T) features simultaneous viewing of the target area and the temperature readout in the single-lens-reflex viewfinder, plus RS-232-C output.

1874-265—Laser aiming draws a circle around the target area



The DL-10 Data Logger (23672T-1) can log up to 4000 temperature readings and print them using the PC software. Information on temperature, page number, date, and time. Logging displays can be done manually or at preset intervals. Software provides data transmission, graphing, saving data to file, and statistical processing.

Each Mini Thermometer Unit Includes: Soft carrying case (8053-600), neck strap (8044-1051), one AA alkaline battery, lens cap (8043-700), and instructions.

Specifications and Ordering Information

Mfg#	1874-265	1874-275	1874-215
Measurement Range:	-20 to 750°F/-30 to 400°C	-50 to 950°F/-50 to 500°C	-50 to 950°F/-50 to 500°C
Resolution:	(0.1° increments from -20°F/-30°C to 99.9°F/°C and 1° increments from 100°F/°C and above)		
Spectral Response:	8 to 14 micron		
Emissivity Adjustment:	0.10 to 1.00 in 0.01 increments		
Uncertainty:	±5°C or better		
Operating Temp. Range:	32 to 104°F/0 to 40°C		32 to 122°F/0 to 50°C
Size/Weight:	1.87 x 5.94 x 3.75"/0.43 lbs (without battery)		
Order #	MP23669T	MP23607T	MP23671T
Price			

Accessories

Order #	Mfg #	Description	Price
MP23672T-1	DL-10 W/SOFTWARE/PC CABLE	DL-10 Data Logger, PC Software, PC Cable	
MP23672T-2	DL-10 LOGGER	Cable (Thermometer to DL-10 Data Logger)	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL

Fluke Infrared Temperature Probe

- Bright Laser Beam Provides Easy Targeting
- Read the Backlit Display Screen Even in the Dark
- Shock-Absorbing Holster Increases Ruggedness
- Range: -18°C to 275°C (0°F to 525°F)
- Accuracy: $\pm 3^\circ\text{C}$ (5°F) between -18°C (0°F) to -1°C (30°F)
 $\pm 2\%$ of Reading or 2°C (3.5°F) from -1°C (30°F) to 275°C (525°F)
- 0.95 Fixed Emissivity
- 0.2°C (0.5°F) Resolution
- 8:1 Distance to Spot Ratio
- Alkaline Batteries (9V Included) Provide 4000 Typical Measurements

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Ordering Information

Order #	Mfg #	Description	Price
MP61T	61	Infrared Thermometer	



Fluke Infrared Thermometer

- Shock-Absorbing Holster Increases Ruggedness
- Bright Laser Beam Provides Easy Targeting
- Large Dual Display Clearly Supplies Data at a Glance
- 0.1° Resolution Up to 200°F or $^\circ\text{C}$ (1° Resolution Above 200°F or $^\circ\text{C}$)
- Quality Backlight Illuminates the Screen in the Dark
- MIN/MAX Provides the Variation in Any Measurement
- Store and Recall Any Single Temperature
- Automatic Sleep Mode After 15 Seconds Extends Battery Life
- Alkaline Batteries Provide Over 4000 Typical Measurements

Just press the green button and the Fluke 65 comes alive. Targeting objects is easy with the bright laser beam. Even in the dark, the display is simple to read with the quality backlit screen. After the measurement is done, you can scroll through the dual display to review the MIN/MAX values. The advanced microprocessor even allows you to save a temperature into memory for later reference!

The Fluke 65 is the ideal tool for measuring surface temperatures of rotating, hard-to-reach, electrically live, or dangerously hot targets. For preventative maintenance tasks, the Fluke 65 will cut measurement time to almost zero with the ability to take a temperature reading in less than one second.

Try the Fluke 65 infrared thermometer today. With such quick response and convenience, you can't afford to operated without one!

Each Unit Includes: Two AA batteries, soft carrying case (C50), and instructions.



Fluke 65

Specifications

Range:	-40 to 500°C (-40 to 932°F)
Resolution:	0.1° below 200°; 1° above 200°
Accuracy:	Above 0°C (32°F): $\pm 2^\circ\text{C}$ ($\pm 4^\circ\text{F}$); Below 0°C (32°F): $\pm 5^\circ\text{C}$ ($\pm 9^\circ\text{F}$) (with instrument stable at 23°C $\pm 3^\circ\text{C}$)
Optical Resolution:	8:1 distance to spot size ratio
Emissivity:	Fixed at 0.95
Batteries:	Two AA batteries included

Ordering Information

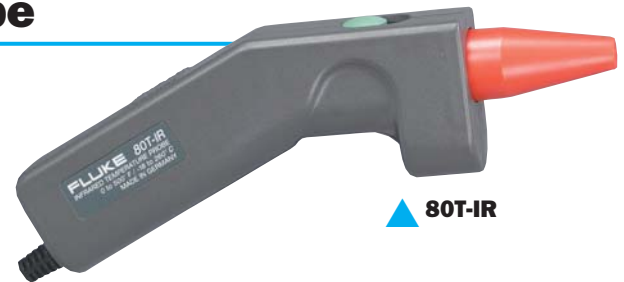
Order #	Mfg #	Description	Price
MP65T	65	Infrared Thermometer	
Transcat Accredited Calibration with Data			CALL
Transcat Accredited Calibration without Data			CALL

Fluke Infrared Temperature Probe

- Adds IR Measurement to Your 50 Series Meters
- Converts Your DMM into a Digital Non-Contact Temperature Meter
- Switchable 500°F/260°C Range

Specifications

Accuracy:	$\pm 3\%$ rdg or $\pm 5^\circ\text{F}$ ($\pm 3^\circ\text{C}$), whichever is greater
Emissivity:	0.95 fixed
Analog Output:	1 mV/°C or °F, switchable
Optical Resolution:	4:1 ratio of distance to spot diameter
DMM Compatibility:	Any instrument with 1 M Ω input Z that will accept standard diameter shrouded banana plugs
Power Supply:	9V alkaline battery
Size/Weight:	1.5 x 7" WL/10 oz; 3.8 x 17.8 cm/286g



80T-IR

Ordering Information

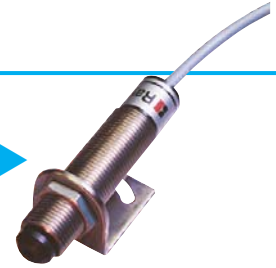
Order #	Mfg #	Description	Price
MP80T-IR	80T-IR	IR Temperature Probe for DMMs	
MP80PK-IR	80PK-IR	IR Temperature Probe for Model 50 Series	

Raytek Infrared Temperature Sensors

Thermalert CI

- Type J or K, or 0-5V Output
- IP 65 (NEMA-4) Stainless Steel Electronics Housing
- 4:1 Optics at 90% Energy
- 350 mSec (95%) Response Time
- Powered by 12-24 VDC at 20 mA

21035T



Ordering Information

Order #	Description	Price
MP21035T-1	IR Temperature Sensor, J T/C, 0-350°C	
MP21035T-2	IR Temperature Sensor, K T/C, 0-350°C	
MP21035T-3	IR Temperature Sensor, 10 mV/°C Linear Voltage, 0-350°C	
MP21035T-4	IR Temperature Sensor, J T/C, 30-500°C	
MP21035T-5	IR Temperature Sensor, K T/C, 30-500°C	
MP21035T-6	IR Temperature Sensor, 10 mV/°C Linear Voltage, 30-500°C	
MPCIAP	Air Purge Accessory	
MPCIACFB	Mounting Bracket	

Specifications

Resolution (temp)/(optical):	<0.5°C (1°F)/(4:1)
Outputs:	J or K Thermocouple or 10mV/°C Linear Voltage
Emissivity:	Fixed at 0.95
Accuracy:	0 to 115°C:±2% or 3°C, 115°C to 350°C:±5% or 6°C
Cable:	3 ft. Connecting Cable
Size/Weight:	0.75" dia. x 3.4"L/4.5 oz.

Thermalert MID

- Small Sensing Head Fits Where Other Sensors Can't
- Adjustable Emissivity, Peak Hold, Valley Hold and Averaging
- 1% Accuracy from -40 to 600°C (-40 to 1112°F)
- Choice of 2:1 or 10:1 Optics

21036T



Specifications

Resolution (temp)/(optical):	<0.3°C (.5°F)/(10:1 or 2:1)
Outputs:	J or K T/C, 0-5V, 0/4-20 mA All Outputs Field Selectable
Emissivity:	Adjustable 0.100 to 1.100
Accuracy:	1% of Reading
Cable:	10 ft. Connecting Cable
Power:	11-26 VDC @ 100 mA
Size/Weight:	Sensor 0.55" dia. x 1.1" L/1.75 oz. Housing: 3.2 x 2.4 x 1.0"HWD/9.5 oz.

Ordering Information

Order #	Description	Price
MP21036T-3	IR Temperature Sensor, 2:1 Optics, -40 to 600°C	
MP21036T-4	IR Temperature Sensor, 10:1 Optics, -40 to 600°C	
MPMIACAJ	Air Purge Accessory	
MPMIACFB	Mounting Bracket	

NEW Extech Wide Range IR Thermometers

Non-Contact IR Thermometer Measures up to 1000°F

- Laser Pointer Centers Target Area
- °F/°C Switchable
- Narrow Field of View
- Backlit Display
- Automatic Data Hold
- Compete with 9V Battery

Specifications and Ordering Information

Mfg #	42529	42530
Range:	0 to 600°F or -20 to 320°C	-58 to 1000°F or -50 to 538°C
Accuracy:	±2% of reading or ±4°F/ 2°C (whichever is greater)	
Resolution:	1°F/°C	
Emissivity:	0.95 fixed	
Display:	Backlit LCD	
Power:	9V battery	
Field of view:	6:1	8:1
Dimensions:	6.7x1.7x1.6" (170x44x40mm)	
Weight:	6.4oz. (200g)	
Order #	MP42529	MP42530
Price		



45529

45530